

BENNETT-FERAGEN

**PORTABLE
WHEEL ALIGNMENT
EQUIPMENT**

Equipment for Safety Service



TT-35 TURNTABLE

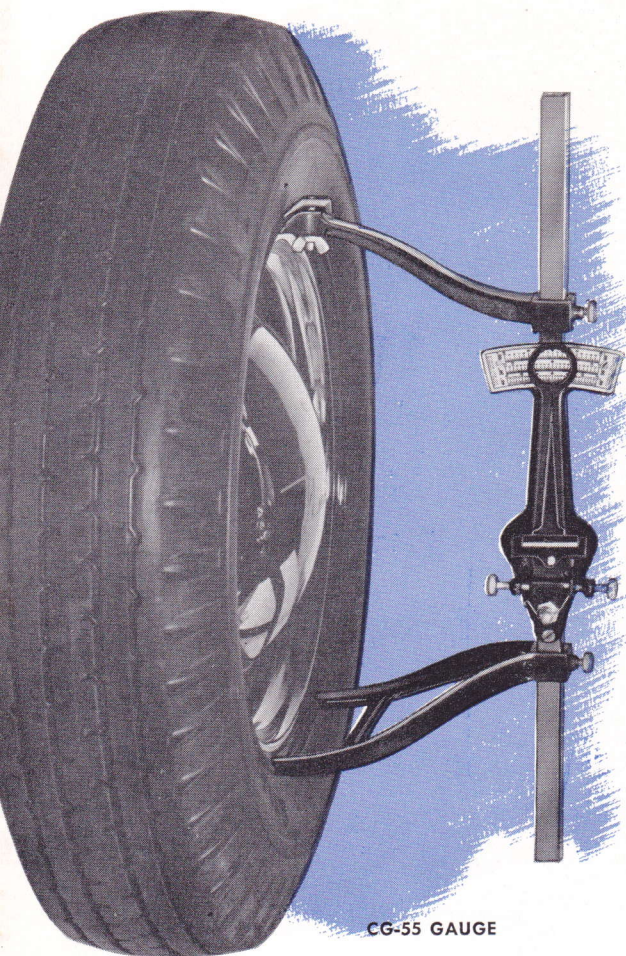
**MODEL FS-35
FLOOR SET**



WA-35 ALIGNER



TT-35 TURNTABLE



CG-55 GAUGE

CASH IN ON TREMENDOUS WHEEL ALIGNMENT PROFITS

with Bennett - Feragen Inspection Equipment

More widely used than all others combined!

- * Provides minimum equipment necessary for wheel alignment service.
- * Approved by most car manufacturer service departments and recommended as essential equipment for their dealers.
- * Low investment cost plus large profits on service labor result in tremendous net service shop profits.
- * Automatic salesman for wheel alignment corrections with their important service labor and parts profits.
- * Combines speed, accuracy and simplicity. Increases job handling capacity and increases efficiency of work.
- * Functionally comparable to equipment costing many times more.
- * Completely portable — does not tie up floor space when not in use.
- * Required supplementary equipment for even most elaborate setups.
- * Provides visual proof of effectiveness of service rendered — builds customer confidence in your work.

SAFETY EQUIPMENT CO.

BENNETT-FERAGEN EQUIPMENT FOR SAFETY SERVICE

1005 South La Fayette Boulevard, South Bend 18, Indiana

PATENTED "WEE-GEE BOARD" WHEEL ALIGNERS

THE ONLY PORTABLE INSTRUMENT THAT CHECKS STEERING GEOMETRY AND PROVIDES PIVOTED ACTION!

NO OTHER WHEEL ALIGNER CAN GIVE YOU ALL THESE FEATURES

● **PIVOTED ACTION TOP PLATE** — exclusive, patented feature automatically registers amount of side slippage on scale when car is pulled over the "Wee-Gee Board." Hardened steel roller bearings reduce friction and make the top plate extremely sensitive allowing the slightest abrasive action to register. Pivoted construction makes it unnecessary to pass over exact center of board to obtain accurate readings.

● **CLEAR READING SCALE** — if there is any tendency to lead or scuff as the car travels over the "Wee-Gee Board," the action of the tire moves the runner to right or left. The error is plainly and automatically registered by the pointer which moves across the large, clearly defined scale and reads the tire slippage in

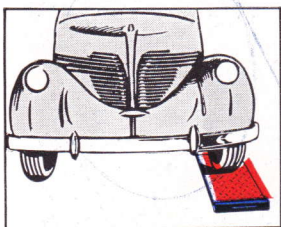
inches which can be quickly computed to feet per mile side slippage.

● **LOCKING HANDLE** — holds indicator plate in neutral when desired and permits easy carrying.

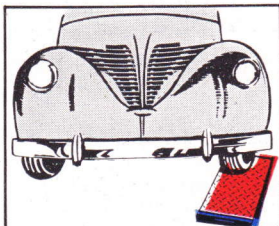
THE Bennett-Feragen "Wee-Gee Board" measures steering error or scuffing action. In addition it is the *only portable instrument that measures "Steering Geometry"* — steering error or scuffing action on right and left turns. This is a tremendously important feature because 80% of all driving is done on turns and most tire wear takes place on turns.

Bennett-Feragen "Wee-Gee Boards" are of incomparable value in selling wheel alignment service, because they provide the customer with positive, visual proof of any scuffing action of tires on the road. The "Wee-Gee Board" provides a quick and accurate means of convincing customers of the need for corrective service to avoid excessive tire wear.

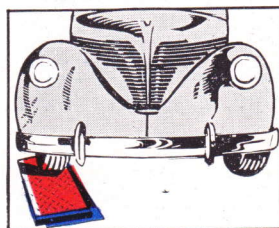
Bennett-Feragen "Wee-Gee Boards" are ruggedly constructed of finest materials. The model WA-35 has a capacity of 4500 pounds per wheel. Finished in deep blue and orange.



Straight-away test, showing correct alignment.



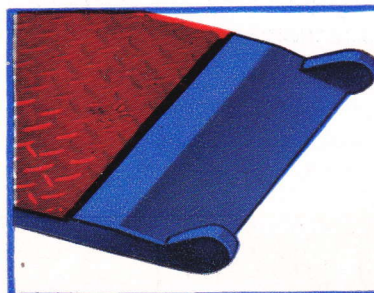
Right turn showing excessive toe-out.



Left turn showing excessive toe-in.



WA-35



MODEL WA-55 WHEEL ALIGNER

The WA-55 truck-type "Wee-Gee Board" has all the features of the WA-35 Board plus heavy-duty casters on the approach end to permit easy handling and quick positioning to wheels. It also has a greater capacity of 7500 pounds per wheel.

**MORE UNIVERSALLY USED WITH
ALL MAKES OF WHEEL ALIGNMENT
EQUIPMENT THAN ANY OTHER GAUGE!**

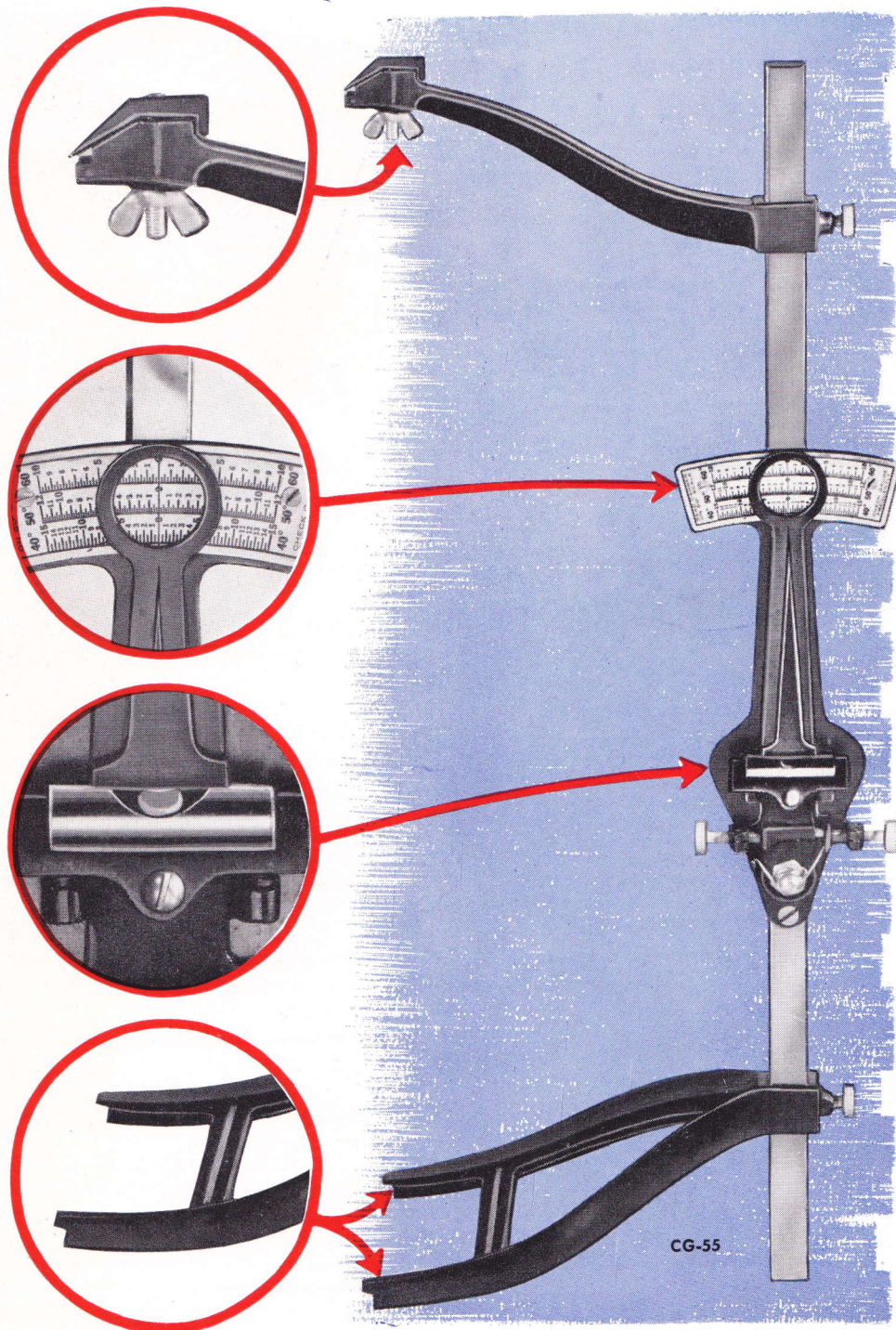
**PATENTED
CAMBER, CASTER,
KING-PIN GAUGE**

1. SELF-LOCK CLIP — new and improved clip holds gauge in proper position—eliminates holding gauge against wheel by hand, chains or other inconvenient devices.

2. SELF-SUBTRACTING — exclusive, patented feature eliminates mental calculations and chance of human error in determining readings. Gauge reads angles directly on the accurately graduated scale under a hair-line. Eliminates need to add or subtract one angle from another in caster and king-pin measurements. Clear and sharply defined scale is graduated for right and left turns at 20, 25, and 30 degree angles.

3. SPIRIT LEVEL ACCURACY—all readings are taken under an indisputable accurate spirit level.

4. ADJUSTABLE LEGS—newly designed legs provide a truly universal gauge permitting wide range of adjustments on all type wheels. Fits full range of vehicle wheel and rim sizes on all passenger cars and trucks (10 to 28 inches).



COMBINES SPEED, ACCURACY AND SIMPLICITY OF OPERATION

IN addition to the outstanding features above, the Bennett-Feragen Self-Subtracting Camber, Caster and King-Pin Inclination Gauge has additional features that help account for its universal acceptance in service shops everywhere. It is

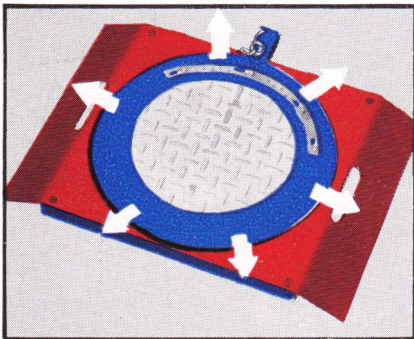
compact, light in weight, durable, extremely accurate and amazingly simple to use. Gauge applies conveniently to rim at outside of wheel thus eliminating crawling beneath vehicle to take readings. Finished in black and white nickel.

PATENTED FULL-FLOATING TURNTABLES

THE ONLY TRULY FULL - FLOATING
TURNTABLE IN THE FIELD! FOLLOWS
ALL TIRE MOVEMENTS IN ANY DIRECTION!

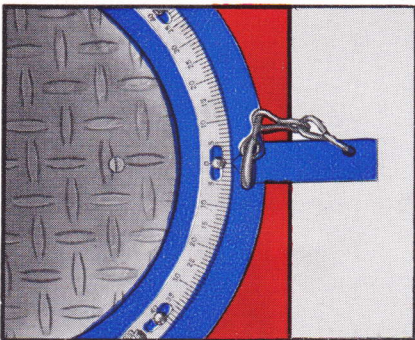
CHECK THESE OUTSTANDING CONSTRUCTION FEATURES

- **CONVENIENT HANDLES** — located on both ends of approach plates to facilitate carrying turntables to the job. Especially designed to protect hands.
- **LOCKING PIN** — holds turntable in center while vehicle is positioned. Assures proper centering of wheels for accurate readings.
- **ROLLER BEARINGS** — all moving parts operate on large roller bearings to provide freedom from friction.
- **TOP GRIP PLATE**—made of safety floor plate for easy centering of wheels.



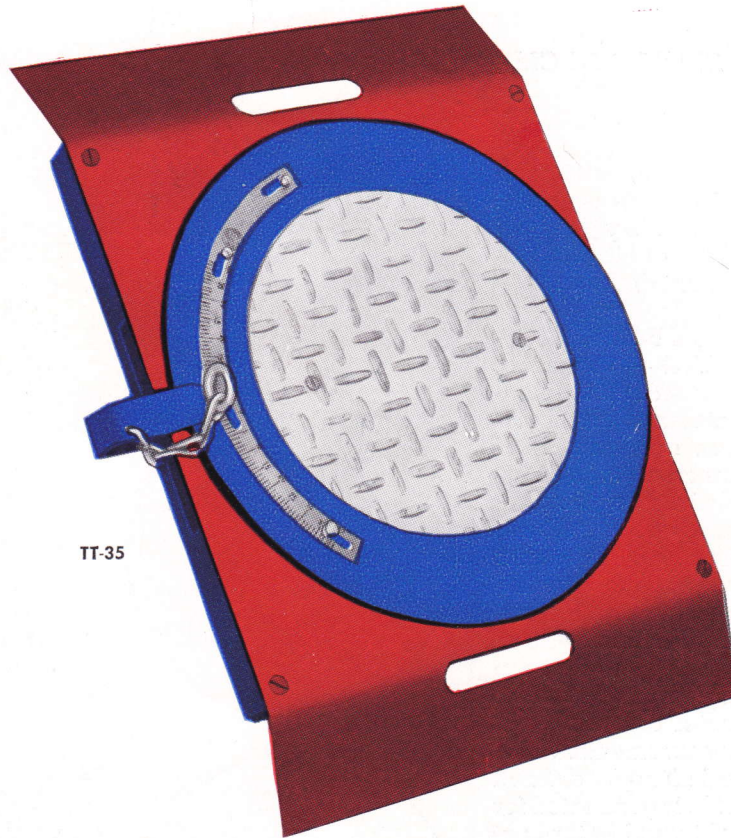
FULL-FLOATING ACTION

The extra range of movement of Bennett-Feragen Full-Floating Turntables enables them to follow all tire movements in any direction. Wheel can turn freely, move forward, backward or sideways without bind thus eliminating error set up by tire distortions on the floor when wheel is turned.



ADJUSTABLE SCALE

The adjustable scale on Bennett-Feragen Turntables permits all caster and kingpin inclination readings to be taken from true zero. This eliminates complicated figuring and chance of error in calculations.



TT-35

BENNETT-FERAGEN Full-Floating Turntables are absolutely essential for proper checking of caster and king-pin inclination because accurate readings cannot be obtained with the weight on the wheel unless turntables are used. Because Bennett-Feragen Turntables check the car under normal load condition, there is no need to guess in allowing for play in bearings or other worn parts. Turntables are rugged in construction and have a capacity of 7500 pounds per wheel. Finished in deep blue, orange and cadmium plate.

Bennett - Feragen PORTABLE FLOOR SETS PROVIDE A COMPLETE WHEEL ALIGNMENT INSPECTION DEPARTMENT

Any mechanic can analyze an automobile or truck front end and determine the cause of abnormal tire wear or steering troubles such as wander, pulling to one side, hard steering and other troubles. Caster, camber, king-pin inclination, toe-in, toe-out and steering geometry; bent steering knuckle supports and steering arms can be quickly and accurately diagnosed with this equipment. Visual proof of correction is readily shown.

Model FS-35 Portable Floor Set consists of WA-35 Aligner, TT-35 Turntables and CG-55 Gauge.

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